Applica	able standard								
Rating	Operating Temperature Range		-55°C to +85°C (Note1)		Storage Temperature Range		-10 °C to +60°C (Note3)		3)
	Operating Humidity Range		20% to 80% (Note2)		Storage Humidity Range		40% to 70% (Note3)		3)
	Voltage		50 V AC/DC Ap		Applic	able Connector	DF53-18S-0.6H(##)		
			All pin AWG 32 : 0.7A Applic			able Contact	DF53-32SCF		
	Current		Any of 2 pins as a power	AWG 32 : 1.3A	power)	, 0.5A(signal)			
	1			pecification	ns				
Item			Test method		Requirements			АТ	
Constru	ction							1	ı
General Examination Visually and b			by measuring instrument.			According to drawing.			X
Marking Confirmed vis			sually.						Х
Electric	Characteristics							X	
Insulation Resistance 100 V DC.						100 MΩ MIN.			_
Voltage Proof 200 V AC		200 V AC for	r 1 min.			No flashover or breakdown.			_
	ical Characteris	stics							
			sertion and extraction.			No damage, crack or looseness of parts.			_
Mating and unmating Force		It takes out and inserts with a conformity connector.				1.Insertion Force : 23.8N MAX. 2.Extraction Force : 5.1N MIN.			_
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at				No damage, crack or looseness of parts.			_
		10 cycles for 3 direction.							
Shock		Acceleration 500 m/s ² duration of pulse 11 ms at 3						X	_
		times for 3 di	rections.						
	traction force		able after housing	fixation.		3N MIN		X	_
	mental Charact							ΙX	
			$40 \pm 2^{\circ}\text{C}$, humidity 90 to 95 %, 96 h. g the room temperature for 1 to 2h.)			1.Insulation resistance: 100 MΩ MIN.2.No damage, crack or looseness of parts.			_
Rapid Change Of Temperature		Temperature -55°C→ +85°C Time 30min→ 30min Under 5 Cycles. (The transferring time of the tank is 2 to 3 MIN) (After leaving the room temperature for 1 to 2h.)			 Insulation resistance: 100 MΩ MIN. No damage, crack or looseness of parts. 			_	
Dry Heat Exposed at			•					Χ	_
Cold		Exposed at	-55±3°C, 96h					Х	_

Note 1: Include the temperature rising by current.

Note 2: No condensing. Apply to the condition of long term storage for unused products before harness assembly.

Note 3: Applicable to unused product packaging.

	COUN	T DESCRIPTION OF REVISIONS	DESIGNED		CHECKED	DATE
\bigcirc	0					
				APPROVE	D SJ. OKAMURA	20231228
				CHECKED	SZ. ONO	20231228
					JN. TONAI	20231227
Unles	s otherwi	se specified, refer to IEC 60512.		DRAWN	JN. TONAI	20231227
Note	QT:Qua	ification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-380641-00-00	
н	र	SPECIFICATION SHEET	PART NO.		DF53-18P-0.6C	
46		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL06	68-1023-0-00	<u></u>